WO 01/23558 PCT/US00/25610

## CLAIMS

## What is claimed is:

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An isolated polynucleotide comprising a polynucleotide sequence selected from the group
 consisting of:

- a) a polynucleotide sequence selected from the group consisting of SEQ ID NO:1-63,
- b) a naturally occurring polynucleotide sequence having at least 90% sequence identity to a polynucleotide sequence selected from the group consisting of SEO ID NO:1-63,
  - c) a polynucleotide sequence complementary to a),
  - d) a polynucleotide sequence complementary to b), and
  - e) an RNA equivalent of a) through d).
- 2. An isolated polynucleotide of claim 1, comprising a polynucleotide sequence selected from the group consisting of SEQ ID NO:1-63.
- 3. An isolated polynucleotide comprising at least 60 contiguous nucleotides of a polynucleotide of claim 1.
- 4. A composition for the detection of expression of secretory polynucleotides comprising at least one of the polynucleotides of claim 1 and a detectable label.
  - 5. A method for detecting a target polynucleotide in a sample, said target polynucleotide having a sequence of a polynucleotide of claim 1, the method comprising:
- a) amplifying said target polynucleotide or fragment thereof using polymerase chain reaction
  amplification, and
  - b) detecting the presence or absence of said amplified target polynucleotide or fragment thereof, and, optionally, if present, the amount thereof.
- 6. A method for detecting a target polynucleotide in a sample, said target polynucleotide comprising a sequence of a polynucleotide of claim 1, the method comprising:
  - a) hybridizing the sample with a probe comprising at least 20 contiguous nucleotides comprising a sequence complementary to said target polynucleotide in the sample, and which probe specifically hybridizes to said target polynucleotide, under conditions whereby a hybridization complex is formed between said probe and said target polynucleotide or fragments thereof, and

WO 01/23558 PCT/US00/25610

b) detecting the presence or absence of said hybridization complex, and, optionally, if present, the amount thereof.

- 7. A method of claim 5, wherein the probe comprises at least 30 contiguous nucleotides.
- 8. A method of claim 5, wherein the probe comprises at least 60 contiguous nucleotides.
- 9. A recombinant polynucleotide comprising a promoter sequence operably linked to a polynucleotide of claim 1.
  - 10. A cell transformed with a recombinant polynucleotide of claim 9.
  - 11. A transgenic organism comprising a recombinant polynucleotide of claim 9.
- 15 12. A method for producing a secretory polypeptide, the method comprising:
  - a) culturing a cell under conditions suitable for expression of the secretory polypeptide, wherein said cell is transformed with a recombinant polynucleotide of claim 9, and
    - b) recovering the secretory polypeptide so expressed.
- 13. A purified secretory polypeptide encoded by at least one of the polynucleotides of claim 2.
  - 14. An isolated antibody which specifically binds to a secretory polypeptide of claim 13.
- 15. A method of identifying a test compound which specifically binds to the secretory polypeptide of claim 13, the method comprising the steps of:
  - a) providing a test compound;

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- b) combining the secretory polypeptide with the test compound for a sufficient time and under suitable conditions for binding; and
- c) detecting binding of the secretory polypeptide to the test compound, thereby identifying the test compound which specifically binds the secretory polypeptide.
  - 16. A microarray wherein at least one element of the microarray is a polynucleotide of claim 3.

WO 01/23558 PCT/US00/25610

17. A method for generating a transcript image of a sample which contains polynucleotides, the method comprising the steps of:

a) labeling the polynucleotides of the sample,

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- b) contacting the elements of the microarray of claim 16 with the labeled polynucleotides of the sample under conditions suitable for the formation of a hybridization complex, and
  - c) quantifying the expression of the polynucleotides in the sample.
  - 18. A method for screening a compound for effectiveness in altering expression of a target polynucleotide, wherein said target polynucleotide comprises a polynucleotide sequence of claim 1, the method comprising:
    - a) exposing a sample comprising the target polynucleotide to a compound, under conditions suitable for the expression of the target polynucleotide,
      - b) detecting altered expression of the target polynucleotide, and
- c) comparing the expression of the target polynucleotide in the presence of varying amounts of the compound and in the absence of the compound.
  - 19. A method for assessing toxicity of a test compound, said method comprising:
  - a) treating a biological sample containing nucleic acids with the test compound;
- b) hybridizing the nucleic acids of the treated biological sample with a probe comprising at
  least 20 contiguous nucleotides of a polynucleotide of claim 1 under conditions whereby a specific hybridization complex is formed between said probe and a target polynucleotide in the biological sample, said target polynucleotide comprising a polynucleotide sequence of a polynucleotide of claim 1 or fragment thereof;
  - c) quantifying the amount of hybridization complex; and
  - d) comparing the amount of hybridization complex in the treated biological sample with the amount of hybridization complex in an untreated biological sample, wherein a difference in the amount of hybridization complex in the treated biological sample is indicative of toxicity of the test compound.